

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | F-RF-031-1(6) | 1978 | 197 | 262 |

NOTES:

- THE EXACT LOCATION OF PULL BOXES & CONDUITS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ALL NEW CONDUITS UNDER ROADWAYS SHALL BE 14" PVC SCHEDULE 80. CONTRACTOR SHALL HAVE OPTION OF USING PVC SCHEDULE 40 NOT UNDER ROADWAY.
- EACH CONDUIT RUN SHALL BE PROVIDED WITH A NO. 10 GAGE FLEXIBLE, GALVANIZED PULL WIRE EXTENDING THROUGH ITS ENTIRE LENGTH. AN ADDITIONAL 2 FEET SHALL BE DOUBLE BACK INTO THE CONDUIT AT EACH END OF THE RUN. CONDUITS & SLEEVES ENTERING PULL BOXES SHALL TERMINATE FLUSH IN THE WALL WITH ENDS GROUND SMOOTH AND SHALL BE TEMPORARILY PLUGGED.

True North
Scale: 1" = 20'

SUMMARY

| ITEM NO. | ITEM | QUANTITY |
|----------|--|----------|
| 623.5090 | 4-2" Conduit | 330 L.F. |
| 623.6010 | Type B Pull Box | 10 Each |
| 623.2031 | Foundation for Type I Traffic Signal standard | 2 Each |
| 623.2041 | Foundation for Type II Traffic Signal standard | 3 Each |
| 623.5001 | Furnish & Install one 2-Inch Conduit | 440 L.F. |

PIILANI HIGHWAY

5. Type I Foundation

The anchor bolts shall be of high strength steel and shall be a minimum of 3/4-inch diameter by 18-inches in length, with a 4-inch ell bend on the bottom end of the rod, and shall be threaded 6 inches at the top. The complete anchor bolt and all nuts and washers shall be galvanized. Four (4) anchor bolts shall be supplied with each pole and each anchor bolt shall have a leveling nut and a top nut. The anchor bolts shall be set in a 8-1/2 inch diameter bolt circle (6 inches square).

4. Type II Foundation

Four high strength steel bolts, 1-3/8 inches diameter by 48 inches long each fitted with hex and square nuts, shall be furnished with each pole. Each anchor bolt shall have a 4 inch ell bend at the bottom end and shall be threaded at the top end. The complete anchor bolt and all nuts and washers shall be galvanized. The anchor bolts shall be capable of resisting, at yield strength stress, the bending moment of the shaft at its yield strength stress. The anchor bolts shall be set in a 14-1/2 inch diameter bolt circle (10-1/4 inches square).

LAYOUT PLAN

Scale: 1" = 20'

| | |
|--------|--|
| 3-4-81 | Construct Traffic Signal Foundations, conduits and pullboxes and add notes 4 and 5 |
| DATE | REVISION |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

TRAFFIC SIGNAL CONDUIT
LAYOUT PLAN

PIILANI HIGHWAY
VICINITY OF MOKULELE HIGHWAY TO
VICINITY OF KILOHANA STREET
F.A. PROJECT NO. F-RF-031-1(6)

SCALE: AS SHOWN DATE SEP 1978

SHEET No. 1 OF 1 SHEETS

C.O. 197

| | |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY | |
| DESIGNED BY | |
| CHECKED BY | |
| NOTE BOOK | |
| NO. | |